



Globally Proven Construction Solutions

Reduced Thickness Porcelain Tiles

Waterproofing/Crack Isolation | Soundproofing/Crack Isolation | Adhesives | Sealant | Grout



The LATICRETE products in this brochure are recommended for installing Reduced Thickness Porcelain Tiles. An overview of each recommended product is provided as a general guide to facilitate the selection of the appropriate LATICRETE product for the specific application. Refer to www.laticrete.com.au for long form Architectural Specifications, Architectural Details and comprehensive technical support.

Provided that Reduced Thickness Porcelain Tiles are installed in accordance with applicable industry standards and written Laticrete installation instructions, projects utilising Reduced Thickness Porcelain Tiles can qualify for a LATICRETE System Warranty.[^]

WATERPROOFING/CRACK ISOLATION



HYDRO BAN®

See Data Sheet DS-1036 for complete product information.

A thin, load-bearing, waterproofing/crack isolation membrane. A single-component, self-curing, liquid rubber polymer that forms a flexible, seamless, waterproofing membrane.

- Does Not Require the Use of Fabric
- Time to Flood Testing: 2 Hours[§] at +21°C; Longer When Colder
- Bonds Directly to Clean Steel and PVC Plumbing Fixtures. This is Important in Situations Where the Drain Type Does Not Incorporate a Clamping Ring for the Waterproofing to Tie Into, e.g., Trench Drains, and When Trying to Seal Up Around Pipe Penetrations
- Can Be Spray Applied With an Airless Sprayer

Where to Use

In all wet areas and over existing, non-structural, hairline cracks of ≤ 3 mm in a suitable substrate prior to installing Reduced Thickness Porcelain Tiles. For horizontal and vertical applications.

[§] After final cure at 21°C and 50% relative humidity.



LATICRETE 9235 Waterproofing Membrane

See Data Sheet DS-1044 for complete product information.

A thin, load-bearing, waterproofing/crack isolation membrane. A self-curing, liquid rubber polymer and a reinforcing fabric are applied to form a flexible, seamless waterproofing membrane.

- Requires the Use of Fabric
- Time to Flood Testing: 7 days at +21°C; Longer When Colder

Where to Use

In all wet areas and over existing, non-structural, hairline cracks of ≤ 3 mm in a suitable substrate prior to installing Reduced Thickness Porcelain Tiles. For horizontal and vertical applications.



LATAPOXY 312 Vapour Reduction Membrane

See Data Sheet DS-1121 for complete product information.

A 3 component, roller applied epoxy coating specifically designed to reduce vapour emission in substrates for various floor coverings.

- Easy to Use - Rolls on Like Paint
- Cures in 24 Hours

Where to Use

Used over concrete substrates to reduce vapour to below $170\mu\text{g per m}^2/24$ hours when tested in accord with ASTM F1869 "Standard Test Method for Moisture Vapour Emission Rate using Anhydrous Calcium Chloride". Ideal for slab-on-grade construction.

Each full unit will yield approximately $8\text{-}10\text{m}^2$ per unit with thickness suitable for blocking higher level MVT.

ADHESIVES



LATAPOXY® 300 Adhesive

See Data Sheet DS-1047 for complete product information.

Chemical resistant epoxy adhesive that will bond to most sound, clean surfaces. Adhesive spreads easily and cleans with water while fresh. A factory-proportioned kit consisting of epoxy resin, hardener and chemical resistant filler.

Where to Use

On most vertical and horizontal applications and both wet and dry areas. Use on a variety of substrates including steel, concrete, exterior glue plywood and many more. See Data Sheet DS-1047 for all suitable substrates.

Surface Temperature for Application	+16°C to +32°C
Pot Life	45 minutes
Time to Grout	12 hours
Time to Light Traffic	12 hours
Time to Heavy Traffic	24 hours



LATICRETE 335 Premium Flexible Adhesive

See Data Sheet DS-1037 for complete product information.

The ultimate one-component, polymer-fortified thin-set. Ideal for interior and exterior applications on virtually all substrates and applications, even pools, fountains and facades.

- Increases Your Productivity With Long Open Time
- Easy to Trowel Adhesive Assures Proper Coverage on Both the Substrate and the Veneer
- Exceptional Bond Strength for Difficult to Bond Tiles

Where to Use

Over a wide variety of substrates, including "green" or fresh concrete, cement mortars, cement plasters, exterior glue plywood, gypsum wallboard, gypsum plaster, plastic laminate, and porcelain tiles. Over HYDRO BAN® and LATICRETE 9235 Waterproofing Membrane. For horizontal and vertical applications. For wet and dry areas.

Surface Temperature for Application	+4°C to +32°C
Pot Life	4 hours
Time to Grout	Minimum 24 hours
Time to Light Traffic	8 – 10 hours



LATICRETE 335 Rapid Premium Flexible Adhesive

See Data Sheet DS-1002 for complete product information.

The ultimate one-component, polymer-fortified Rapid thin-set adhesive. Ideal for interior and exterior applications on virtually all substrates and applications including pools, fountains and facades.

- Increases Your Productivity With Long Open Time
- Easy to Trowel Adhesive Assures Proper Coverage on Both the Substrate and the Veneer
- Exceptional Bond Strength for Difficult to Bond Tiles

Where to Use

Over a wide variety of substrates, including "green" or fresh concrete, cement mortars, cement plasters, exterior glue plywood, gypsum wallboard, gypsum plaster, plastic laminate, and porcelain tiles. Over HYDRO BAN® and LATICRETE 9235 Waterproofing Membrane. For horizontal and vertical applications. For wet and dry areas.

Surface Temperature for Application	+4°C to +32°C
Pot Life	>40 minutes
Time to Grout	3 - 4 hours
Time to Light Traffic	4 hours



Installation Materials for Reduced Thickness Porcelain Tiles

GROUT

Determining joint widths: LATICRETE recommends a joint width of approximately 1% of the material length. The minimum should be 2 mm and the maximum 6 mm and/or should always conform to the minimum and maximum values as allowed by local regulations; see examples below:

Length of material	Joint width
20 cm or shorter	2 mm
30 cm	3 mm
40 cm	4 mm
60 cm or longer	6 mm



PERMACOLOR® Grout[^]

See Data Sheet DS-1041 for complete product information.

Polymer-fortified cement grout.

Where to Use

For colour consistency and superior strength. For residential and commercial applications. For joints 1.5 mm to 12 mm wide. For horizontal and vertical application. For wet and dry areas.

Surface Temperature for Application	+4°C to +32°C
Pot Life	40 – 60 min at 21°C
Final Set	3 hours
Heavy Foot Traffic	6 hours



SPECTRALOCK® PRO Grout^{*}

See Data Sheet DS-1039 for complete product information.

Stain-resistant epoxy grout.

Where to Use

For higher stain resistance and lower absorption (showers, countertops, bathrooms, etc.). For residential and light commercial applications. For joints 1.5 mm to 12 mm wide. For horizontal and vertical application. For wet and dry areas.

Note: Steam cleaning this product is not recommended.

	4°C	21°C	35°C
Working Time	120 min	80 min	30 min
Tack Free Time	12 hours	4 hours	2 hours
Light Foot Traffic	24 hours	12 hours	6 hours
Heavy Foot Traffic	48 hours	24 hours	12 hours

SEALANT



LATICRETE LATASIL™

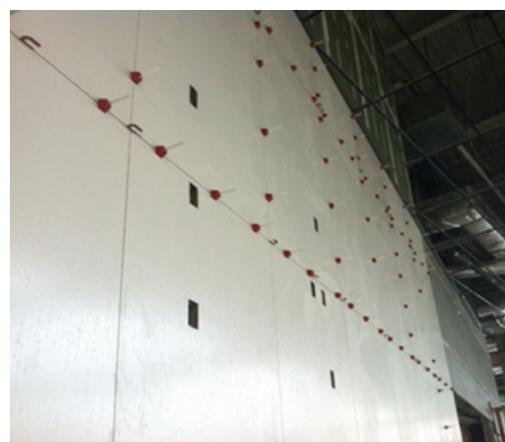
See Data Sheet DS-1074 for complete product information.

High performance silicone sealant designed for interior and exterior areas.

Where to Use

In coves, corners, changes in plane and expansion joints in applications of Reduced Thickness Porcelain Tiles. Ideal for wet area applications.





[^] For more information please contact LATICRETE.
^{*} United States Patent No.: 6,881,768 (and other Patents).

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